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NOTICE OF ALLOWANCE AND FEE(S) DUE

20350

7500

08/07/2008

TOWNSEND AND TOWNSEND AND CREW, LLP TWO EMBARCADERO CENTER EIGHTH FLOOR SAN FRANCISCO, CA 94111-3834

| EXAMINER | | | | |
|--------------|--------------|--|--|--|
| HA, NATHAN W | | | | |
| ART UNIT | PAPER NUMBER | | | |
| 2914 | | | | |

DATE MAILED: 08/07/2008

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/630,249 | 07/30/2003 | Brian Sze-Ki Mo | 018865-001740US | 9390 |

TITLE OF INVENTION: FIELD EFFECT TRANSISTOR AND METHOD OF ITS MANUFACTURE

| APPLN. TYPE | SMALL ENTITY | ISSUE FEE DUE | PUBLICATION FEE DUE | PREV. PAID ISSUE FEE | TOTAL FEE(S) DUE | DATE DUE |
|----------------|--------------|---------------|---------------------|----------------------|------------------|------------|
| nonprovisional | NO | \$1440 | \$300 | \$0 | \$1740 | 11/07/2008 |

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

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| appropriate. All further | correspondence includir ed below or directed oth | ng the Patent, advance of | rders and notification of n | naintenance fees wil | I be mailed to the curre | should be completed where nt correspondence address as eparate "FEE ADDRESS" for |
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| SAN FRANCIS | CO, CA 94111-383 | 4 | | | | (Depositor's name) |
| | | | | | | (Signature) |
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| EXAM | | ART UNIT | CLASS-SUBCLASS | | | |
| HA, NAT | | 2814 | 257-341000 2. For printing on the page 257-341000 | | | |
| CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. Tee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered attorneys or agents. If no name is listed, no name will be printed. | | | | | | |
| recordation as set fort (A) NAME OF ASSI | h in 37 CFR 3.11.Comp GNEE | ified below, no assignee pletion of this form is NO | T a substitute for filing an a (B) RESIDENCE: (CITY) | assignment. and STATE OR CO | UNTRY) | document has been filed for group entity Government |
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| 4a. The following fee(s) Issue Fee | are submitted: | 41 | b. Payment of Fee(s): (Plea A check is enclosed. | se first reapply any | previously paid issue fe | e shown above) |
| Publication Fee (N | No small entity discount p | | Payment by credit care | | | |
| Advance Order - | # of Copies | | The Director is hereby overpayment, to Depos | authorized to charge sit Account Number | the required fee(s), any e | deficiency, or credit any an extra copy of this form). |
| 5. Change in Entity Sta | tus (from status indicated | | ☐ b. Applicant is no long | | | |
| NOTE: The Issue Fee an | d Publication Fee (if req | | d from anyone other than th | | | the assignee or other party in |
| Authorized Signature | | | | Date | | |
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| This collection of inform an application. Confiden submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 223 | nation is required by 37 C tiality is governed by 35 d application form to the ions for reducing this bu //irginia 22313-1450. DC 113-1450. | ER 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th O NOT SEND FEES OR | on is required to obtain or r 1.14. This collection is est depending upon the indiv e Chief Information Office COMPLETED FORMS TO | etain a benefit by the imated to take 12 mi idual case. Any com r, U.S. Patent and Tr D THIS ADDRESS. | public which is to file (a nutes to complete, includ ments on the amount of rademark Office, U.S. De SEND TO: Commissione | and by the USPTO to process) ling gathering, preparing, and time you require to complete epartment of Commerce, P.O. er for Patents, P.O. Box 1450, |

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| TWO EMBARCA | DERO CENTER | | ART UNIT | PAPER NUMBER | |
| EIGHTH FLOOR SAN FRANCISCO, CA 94111-3834 | | | 2814 DATE MAILED: 08/07/200 | 8 | |

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

| | Application No. | Applicant(s) | | | |
|--|---|---|--|--|--|
| | 10/630,249 | MO ET AL. | | | |
| Notice of Allowability | Examiner | Art Unit | | | |
| | Nathan W. Ha | 2814 | | | |
| | Nathan W. Ha | 2014 | | | |
| The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313 | (OR REMAINS) CLOSED in this a or other appropriate communication IGHTS. This application is subject | application. If not included on will be mailed in due course. THIS | | | |
| 1. This communication is responsive to 7/23/08. | | | | | |
| 2. The allowed claim(s) is/are 46-96. | | | | | |
| 3. Acknowledgment is made of a claim for foreign priority ur | nder 35 U.S.C. § 119(a)-(d) or (f). | | | | |
| a) ☐ All b) ☐ Some* c) ☐ None of the: | | | | | |
| Certified copies of the priority documents have | e been received. | | | | |
| 2. Certified copies of the priority documents have | e been received in Application No. | · | | | |
| Copies of the certified copies of the priority do | cuments have been received in thi | s national stage application from the | | | |
| International Bureau (PCT Rule 17.2(a)). | | | | | |
| * Certified copies not received: | | | | | |
| Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. | | ly complying with the requirements | | | |
| 4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give | | | | | |
| 5. CORRECTED DRAWINGS (as "replacement sheets") mus | st be submitted. | | | | |
| (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached | | | | | |
| 1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date | | | | | |
| (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date | s Amendment / Comment or in the | Office action of | | | |
| Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t | | | | | |
| 6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT | | | | | |
| | | | | | |
| Attachment(s) | 5 Notice of Informal | Detent Application | | | |
| Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-948) | 5. ☐ Notice of Informal 6. ☐ Interview Summal | | | | |
| · · · · · · · · · · · · · · · · · · · | Paper No./Mail D | oate | | | |
| Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date <u>7/08</u> | 7. 🛛 Examiner's Amen | dment/Comment | | | |
| Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8. 🛛 Examiner's Stater | ment of Reasons for Allowance | | | |
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DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Atty. Sani on July 24, 2008.

The application has been amended as follows:

Please cancel claims 97-120.

2. The following is an examiner's statement of reasons for allowance:

After carefully reviewed the Applicant's arguments and newly amended claims in paper filed 4/30/08 and the newly submitted documents on 7/23/08, and updated prior art of record, the Examiner finds that the Applicant's arguments and newly added limitations are reasonable and strongly persuasive. Therefore, they place the application in condition for allowance. The primary reason for the indication of the allowability of the above claims is the inclusion therein, in combination as currently claimed as a whole, of the limitation of the field effect transistor including a heavy body region which forms an abrupt junction at the interface between the heavy body region having dopants of the second conductivity type and the doped well having dopants of the second conductivity type such that when voltage is applied to the transistor, as peak electric field occurs

near the area of the interface. This limitation is found in the above claims and is neither disclosed nor taught by the prior art of record, alone or in combination.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nathan W. Ha whose telephone number is (571) 272-1707. The examiner can normally be reached on M-TH 8:00-7:00(EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on (571) 272-1705. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Application/Control Number: 10/630,249 Page 4

Art Unit: 2814

/Nathan W. Ha/ Primary Examiner, Art Unit 2814